

Claim Amendments and Listing of Claims

This listing of claims replaces all prior versions and listings of claims in the application:

1. **(Currently Amended).** A generic system for integrating a target application to an authentication system for authenticating users of the target application, the generic system comprising a server coupled to a database of configuration information about a login process for the target application, the server being programmed to access the database of configuration information to conduct the login process with a user of the target application and to use the authentication system to authenticate the user and to enable the user to access the target application once the authentication system has authenticated the user, the generic system further including an administrative application for enabling ~~permitting~~ a system administrator to create and edit the configuration information.
2. **(Original).** The generic system as claimed in claim 1, wherein the authentication system is a centralized authentication system of a business organization, and the target application is in a third-party web server coupled by a network to the centralized authentication system.
3. **(Currently Amended).** The generic system as claimed in claim 1, wherein the server is programmed to issue ~~issuing~~ at least one token to enable the user to access the target application once the authentication system has authenticated the user.
4. **(Original).** The generic system as claimed in claim 1, wherein a data network couples the target application to the server, the server is programmed to receive a Uniform Resource Locator including an identification of the target application, and the server is further programmed to use the identification of the target application for looking up the configuration information from the database.
5. **(Original).** The generic system as claimed in claim 1, wherein the server is programmed to obtain from the database configuration information defining an inbound

parameter, and the server is programmed to receive the inbound parameter from the target application.

6. (Original). The generic system as claimed in claim 1, wherein the server is programmed to obtain from the database configuration information defining a natural language, and the server is programmed to use the natural language for communication with the user during the login process.

7. (Original). The generic system as claimed in claim 1, wherein the server is programmed to obtain from the database configuration information defining an outbound parameter, and the server is programmed to send the outbound parameter to the target application once the authentication system has authenticated the user.

8. (Original). The generic system as claimed in claim 1, wherein the administrative application is programmed to present a graphical user interface to the system administrator for creating and editing the configuration information, and the graphical user interface includes pages for listing active and inactive target applications integrated with the authentication system, and pages for creating and editing a selected one of the target applications.

9. (Original). The generic system as claimed in claim 1, wherein the administrative application is programmed to present a graphical user interface to the system administrator for creating and editing the configuration information, and the graphical user interface includes pages for selecting a natural language for conducting the login process, for specifying inbound parameters to be received from the target application and outbound parameters to be sent to the target application, for configuring at least one authorization setting, for configuring at least one token, and for selecting an encryption option for encrypting the token.

10. (Original). The generic system as claimed in claim 9, wherein the graphical user interface includes at least one page for exporting and importing authentication integration projects.

11. (Original). The generic system as claimed in claim 1, wherein the administrative application is programmed to present a graphical user interface to the system administrator for creating and editing the configuration information, the administrative application includes a series of action modules for presenting respective pages of the graphical user interface to the system administrator, and the action modules are programmed for invoking business logic.

12. (Original). The generic system as claimed in claim 1, wherein the server includes a data cache coupled to the database.

13. (Original). The generic system as claimed in claim 1, wherein the server is programmed with a plurality of authentication modules for integrating respective target applications to the authentication system, and the server is programmed with an authentication module controller for directing user login requests to the respective authentication modules.

14. **(Currently Amended)**. A generic token-based system for integrating a target application on a first server to an authentication system for authenticating users of the target application, the generic system comprising:

a second server coupled to a database of configuration information about a login process for the target application, the second server being programmed to access the database of configuration information to conduct the login process with a user of the target application and to use the authentication system to authenticate the user and to issue at least one token to enable the user to access the target application once the authentication system authenticates the user;

wherein the second server is programmed to receive a Uniform Resource Locator including an identification of the target application, and the second server is further programmed to use the identification of the target application for looking up the configuration information for the login process from the database; and

an administrative application programmed to present a graphical user interface to a system administrator for creating and editing the configuration information.

15. (Original). The generic system as claimed in claim 14, wherein the second server is programmed to obtain from the database configuration information defining an inbound parameter, and the second server is programmed to receive the inbound parameter from the target application.

16. (Original). The generic system as claimed in claim 14, wherein the second server is programmed to obtain from the database configuration information defining a natural language, and the second server is programmed to use the natural language for communication with the user during the login process.

17. (Original). The generic system as claimed in claim 14, wherein the second server is programmed to obtain from the database configuration information defining an outbound parameter, and the second server is programmed to send the outbound parameter to the target application once the authentication system has authenticated the user.

18. **(Currently Amended)**. A method of integrating a target application to an authentication system for authenticating users of the target application, the method comprising:
a system administrator operating a graphical user interface to enter configuration information about a user login process into a database, the graphical user interface presenting a series of pages of configuration options to the system administrator; ~~and~~

once the configuration information has been entered into the database, accessing the configuration information in the database to conduct the user login process with a user of the target application; and

using the authentication system to authenticate the user and to enable the user to access the target application once the authentication system has authenticated the user.

19. **(Currently Amended)**. The method as claimed in claim 18, wherein the authentication system is a centralized authentication system of a business organization, and the target application is in a third-party web server coupled by a network to the centralized

authentication system, ~~and the login-process method further comprising: includes redirection of~~

redirecting a user login request from the third-party web server to a server accessing the database and the centralized authentication system.

20. **(Currently Amended)**. The method as claimed in claim 18, wherein the configuration database includes configuration information for configuring a plurality of applications to the authentication system, the target application transmits a Uniform Resource Locator including an identification of the target application, ~~and the method further comprising: includes~~

obtaining the identification of the target application from the Uniform Resource Locator;
and

using the identification of the target application for looking up the configuration information for the target application from the database.

21. **(Currently Amended)**. The method as claimed in claim 18, further comprising:
~~which includes~~

obtaining from the database configuration information defining an inbound parameter;
and

receiving the inbound parameter from the target application.

22. **(Currently Amended)**. The method as claimed in claim 18, further comprising:
~~which includes~~

obtaining from the database configuration information defining a natural language;
and using the natural language for communication with the user during the login process.

23. **(Original)**. The method as claimed in claim 18, further comprising: wherein
the server accessing the database and the centralized authentication system obtaining is
~~programmed to obtain~~ from the database configuration information defining an outbound
parameter;
and ~~the method includes~~

sending the outbound parameter to the target application once the authentication system has authenticated the user.

24. **(Currently Amended)**. The method as claimed in claim 18, further comprising:
~~which includes~~

the graphical user interface presenting to the system administrator 1) pages for listing active and inactive target applications integrated with the authentication system, and 2) pages for creating and editing a selected one of the target applications.

25 **(Currently Amended)**. The method as claimed in claim 18, further comprising:
~~which includes~~

the graphical user interface presenting to the system administrator pages for: 1) selecting a natural language for conducting the login process, ~~for~~ 2) specifying inbound parameters to be received from the target application and outbound parameters to be sent to the target application, ~~for~~ 3) configuring at least one authorization setting, ~~for~~ 4) configuring at least one token, and ~~for~~ 5) selecting an encryption option for encrypting the token.

26. **(Currently Amended)**. The method as claimed in claim 25, further comprising:
~~which includes~~

the graphical user interface presenting to the system administrator at least one page for exporting and importing authentication integration projects.

27. **(Currently Amended)**. A method of using an authentication system for authenticating users of a target application on a first server, the method comprising:

maintaining a database of configuration information about a login process for the target application;~~;~~ ~~and~~

using a graphical user interface of an administrative application to generate the configuration information to define the login process; and

using a second server to access the database of configuration information to conduct the login process with a user of the target application and to use the authentication system to

authenticate the user and to issue at least one token to enable the user to access the target application once the authentication system has authenticated the user;

wherein a data network couples the first server to the second server, and the second server receives a Uniform Resource Locator including an identification of the target application and uses the identification of the target application for looking up the configuration information for the login process from the database.

28. **(Currently Amended)**. The method as claimed in claim 27, further comprising:
wherein

the second server obtaining ~~obtains~~ from the database configuration information defining an inbound parameter;

the second server receiving ~~receives~~ the inbound parameter from the target application.

29. **(Currently Amended)**. The method as claimed in claim 27, further comprising:
wherein

the second server obtaining ~~obtains~~ from the database configuration information defining a natural language;

the second server using ~~uses~~ the natural language for communication with the user during the login process.

30. **(Currently Amended)**. The method as claimed in claim 27, further comprising:
wherein

the second server obtaining ~~obtains~~ from the database configuration information defining an outbound parameter;

the second server sending ~~sends~~ the outbound parameter to the target application once the authentication system has authenticated the user.

31. **(Currently Amended)**. A method of integrating a third-party web application to a centralized authentication system, said method comprising:

a system administrator using a graphical user interface to select configuration options from a series of pages to define a ~~the~~ login process to be used when a user logs into the third-party web application;

creating an authentication module for the third-party web application; ~~and~~

storing the configuration information in a database;

redirecting a user login request from the third-party web application to a server containing the authentication module; ~~and~~

upon receipt of the user login request, the server activating the authentication module to retrieve the configuration information from the database to conduct the login process and to use the authentication system for user authentication; ~~and then~~

issuing a token for enabling user access to the third-party web application.